



BRAKE CIRCUIT IDENTITY CARD

CIRCUIT DE BARCELONA - CATALUNYA

The Barcelona-Catalunya Circuit is a very demanding circuit on brakes. The brake system is subjected to huge stress on the first corner due to the 1,047 meter (0.6 mi) long straight preceding it. Almost all the other braking episodes are short and close together.

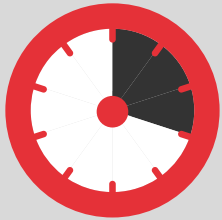
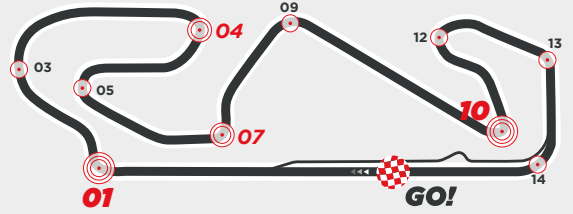
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MOTO GP

01-03 SEP 2023 GRAN PREMI MONSTER ENERGY DE CATALUNYA



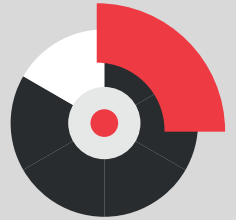
CIRCUIT LENGTH: **4.657 Km**
NUMBER OF LAPS: **24**



TIME SPENT BRAKING:
32%

TURN 01*, TURN 10* & TURN 04* ARE CONSIDERED THE MOST DEMANDING FOR THE BRAKING SYSTEM

BRAKES EFFORT:
HARD



10 BRAKE ZONES / LAP

01 TURN	Initial Speed (km/h)	343
	Final Speed (km/h)	104
	Stopping Distance (m)	313
	Braking Time (sec)	5.8
	Maximum Deceleration (g)	2.0
	Max Force on Lever (kg)	6.2
	Brake Pressure (bar)	12.0

03 TURN	Initial Speed (km/h)	170
	Final Speed (km/h)	145
	Stopping Distance (m)	42
	Braking Time (sec)	1.0
	Maximum Deceleration (g)	1.0
	Max Force on Lever (kg)	1.3
	Brake Pressure (bar)	2.5

04 TURN	Initial Speed (km/h)	243
	Final Speed (km/h)	87
	Stopping Distance (m)	187
	Braking Time (sec)	4.2
	Maximum Deceleration (g)	1.3
	Max Force on Lever (kg)	4.7
	Brake Pressure (bar)	9.0

05 TURN	Initial Speed (km/h)	191
	Final Speed (km/h)	71
	Stopping Distance (m)	127
	Braking Time (sec)	3.6
	Maximum Deceleration (g)	1.2
	Max Force on Lever (kg)	3.9
	Brake Pressure (bar)	7.5

07 TURN	Initial Speed (km/h)	231
	Final Speed (km/h)	103
	Stopping Distance (m)	170
	Braking Time (sec)	3.9
	Maximum Deceleration (g)	1.3
	Max Force on Lever (kg)	4.2
	Brake Pressure (bar)	8.0

09 TURN	Initial Speed (km/h)	217
	Final Speed (km/h)	131
	Stopping Distance (m)	130
	Braking Time (sec)	2.8
	Maximum Deceleration (g)	1.3
	Max Force on Lever (kg)	3.4
	Brake Pressure (bar)	6.5

10 TURN	Initial Speed (km/h)	273
	Final Speed (km/h)	90
	Stopping Distance (m)	220
	Braking Time (sec)	4.9
	Maximum Deceleration (g)	1.5
	Max Force on Lever (kg)	5.7
	Brake Pressure (bar)	11.0

12 TURN	Initial Speed (km/h)	158
	Final Speed (km/h)	91
	Stopping Distance (m)	72
	Braking Time (sec)	2.0
	Maximum Deceleration (g)	1.1
	Max Force on Lever (kg)	3.6
	Brake Pressure (bar)	7.0

13 TURN	Initial Speed (km/h)	189
	Final Speed (km/h)	142
	Stopping Distance (m)	72
	Braking Time (sec)	1.7
	Maximum Deceleration (g)	0.9
	Max Force on Lever (kg)	1.0
	Brake Pressure (bar)	2.0

14 TURN	Initial Speed (km/h)	195
	Final Speed (km/h)	141
	Stopping Distance (m)	87
	Braking Time (sec)	1.9
	Maximum Deceleration (g)	1.2
	Max Force on Lever (kg)	3.6
	Brake Pressure (bar)	7.0